

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	((transducer and receiver) near5 (two or three) same (piezoelectric or ceramic) same (flaw or fault or defect or damage or crack) same weld same coupl\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 23:19
		("time of flight" or TOFD or velocity near3 acoustic) same (transducer or receiver or transceiver or transmitter) near5 piezoelectric or ceramic) same (flaw or fault or defect or crack or damage) same weld near5 joint same thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 21:45
		("time of flight" or TOFD or velocity near3 acoustic) same (transducer or receiver or transceiver or transmitter) near5 piezoelectric or ceramic) same thickness same millimeters	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 19:30
		"5932953".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 15:28
S2	5	("5932953").URPN.	USPAT	OR	ON	2006/02/21 15:54
S3	2	"thin film bulk acoustic resonator" same (sens\$4 or detect\$4) same (frequency or resona\$4)	USPAT	OR	ON	2006/02/21 15:55
S4	9	("3805601"   "4320365"   "5185589"   "5872493"   "6081171"   "6384697"   "6388544"   "6555946"   "6586861").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/21 15:56
S5	6	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$4 or supersonic\$4 or supersound\$4 or microsonic\$4 or microsound\$4 or megasonic\$4 or megasound\$4 or macrosonic\$4 or macrosound\$4) same weld near5 join\$4 same (longitudinal or circumferential) same piezoelectric near3 (crystal or ceramic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 21:35

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S6	44	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$4 or supersonic\$4 or supersound\$4 or microsonic\$4 or microsound\$4 or megasonic\$4 or megasound\$4 or macrosonic\$4 or macrosound\$4) same weld same (longitudinal or circumferential) same piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/21 20:11
S7	5	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$4 or supersonic\$4 or supersound\$4 or microsonic\$4 or microsound\$4 or megasonic\$4 or megasound\$4 or macrosonic\$4 or macrosound\$4) same (flaw or defect or fault or crack or damage) near5 weld same (longitudinal or circumferential) same piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/21 20:12
S8	2	"6839643".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/23 21:14
S9	2	("5750889"   "6397673").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 21:18
S10	2	"5303591".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 15:30
S11	2	"6570097".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 15:30
S12	2	("time of flight" or TOFD or velocity near3 acoustic) same (transducer or receiver or transceiver or transmitter) near5 (piezoelectric or ceramic) same thickness same millimeter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 21:41
S13	9	("4431936").URPN.	USPAT	OR	ON	2006/03/01 21:43
S14	1	("time of flight" or TOFD or velocity near3 acoustic) same (transducer or receiver or transceiver or transmitter) near5 (piezoelectric or ceramic) same (flaw or fault or defect or crack or damage) same weld near5 joint same thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 21:45

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S15	1	("time of flight" or TOFD or velocity near3 acoustic) same (transducer or receiver or transceiver or transmitter) near5 (piezoelectric or ceramic) same (flaw or fault or defect or crack or damage) same weld same thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 21:46
S16	1	("time of flight" or TOFD or velocity near3 acoustic) same (piezoelectric or ceramic) same (flaw or fault or defect or crack or damage) same weld same thickness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 21:46
S17	2	("time of flight" or TOFD or velocity near3 acoustic) same (piezoelectric or ceramic) same (flaw or fault or defect or crack or damage) same weld	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 21:46
S18	8	("3302453").URPN.	USPAT	OR	ON	2006/03/01 21:53
S19	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3 or megasonic\$4 or microsonic\$4 or microsound\$3 or megasound\$3) same (transducer and receiver) same (piezoelectric or ceramic) same (flaw or fault or defect or damage or crack) near5 weld same creep\$4 adj2 wave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 23:12
S20	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3 or megasonic\$4 or microsonic\$4 or microsound\$3 or megasound\$3) same (transducer and receiver) same (piezoelectric or ceramic) same (flaw or fault or defect or damage or crack) near5 weld same creep\$4 adj2 wave same coupl\$4 near5 water	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 23:13
S21	0	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3 or megasonic\$4 or microsonic\$4 or microsound\$3 or megasound\$3) same (transducer and receiver) same (piezoelectric or ceramic) same (flaw or fault or defect or damage or crack) near5 weld same creep\$4 adj2 wave	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 23:13

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S22	1	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3 or megasonic\$4 or microsonic\$4 or microsound\$3 or megasound\$3) same (transducer and receiver) same (piezoelectric or ceramic) same (flaw or fault or defect or damage or crack) near5 weld	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 23:13
S23	5	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3 or megasonic\$4 or microsonic\$4 or microsound\$3 or megasound\$3) same (transducer and receiver) same (piezoelectric or ceramic) same (flaw or fault or defect or damage or crack) same weld	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 23:19
S24	0	(transducer and receiver) near5 (two or three) same (piezoelectric or ceramic) same (flaw or fault or defect or damage or crack) same weld same coupl\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 17:48
S25	0	(transducer and receiver) near5 (two or three) same (piezoelectric or ceramic) same (flaw or fault or defect or damage or crack) same weld	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 23:20
S26	1	(transducer and receiver) near5 (two or three) same (piezoelectric or ceramic) same (flaw or fault or defect or damage or crack)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/02 17:48
S27	11	(transducer and receiver) near5 (two or three) same (piezoelectric or ceramic) same (longitudinal or "creeping wave")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 23:23
S28	206	(transducer and receiver) same (piezoelectric or ceramic) same (longitudinal or "creeping wave")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 23:23
S29	1	(transducer and receiver) same (piezoelectric or ceramic) same (longitudinal or "creeping wave") same weld same (flaw or fault or defect or fault or crack)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/01 23:23